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AIR COMBAT COMMAND**

**AIR COMBAT COMMAND INSTRUCTION  
99-101**



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Test and Evaluation**

**ACC TEST AND EVALUATION**

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This instruction implements policy for Air Combat Command (ACC) management, conduct and support of Test and Evaluation (T&E) subject to Air Force Policy Directive (AFPD) 99-1, *Test and Evaluation Process*; Air Force Instruction 99-103, *Capabilities Based Test and Evaluation*, and AFPD 10-9, *Lead Command Designation and Responsibilities for Weapon Systems*. It establishes responsibilities and procedures for conducting ACC T&E consisting of operational test and evaluation (OT&E), force development evaluations (FDE), foreign comparative testing (FCT), joint test and evaluation (JT&E), and other T&E-related activities. ACC is the lead-command for conducting Combat Air Forces (CAF) T&E that require the use of assets under the purview of ACC. This instruction applies to Air Force Reserve Command (AFRC) and Air National Guard (ANG) units and members. This instruction may be used by other MAJCOMs in the conduct of T&E when it is approved and issued by their publishing authority. Test Centers involved in ACC T&E may supplement this instruction; however, draft supplements must be submitted to HQ ACC/A8T for review and approval. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Form 847s from the field through Major Command (MAJCOM) publications/forms managers. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of in accordance with Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS) located at <https://www.my.af.mil/afrims/afrims/afrims/rims.cfm>. Submit recommendations for change to this instruction to: HQ ACC/A8T, 216 Hunting Ave, Suite 200, Langley AFB, VA 23665-2777, or [acc.a8t@langley.af.mil](mailto:acc.a8t@langley.af.mil).

## ***SUMMARY OF CHANGES***

This document has been substantially revised and must be completely reviewed. Major changes include: reorganization of GCIC to AFC2IC, with a FOA placed under the A8 umbrella; standup of AFGSC with ACC/A3S replaced by ACC/A10 and test responsibilities now divided between ACC and AFGSC; and new test procedure, Verification Flight Test. ACCI 99-101 is aligned with AFI 99-103.

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## Chapter 1

### GENERAL GUIDANCE

**1.1. Purpose of Conducting Test and Evaluation (T&E).** The primary functions of T&E are to determine if systems are effective and suitable and to identify and help resolve deficiencies as early as possible. T&E:

1.1.1. Provides information to decision makers so they may assess whether a system or technique is useful and cost effective.

1.1.2. Reduces system acquisition and sustainment program risk.

1.1.3. Gives operational users the information needed to develop doctrines, refine requirements, and develop and refine tactics, techniques, and procedures (TTP).

**1.2. Types of T&E.** Air Force Instruction (AFI) 99-103, *Capabilities Based Test and Evaluation*, outlines overall policy for T&E activities during the development, production, and fielding of Air Force systems. T&E falls into two general categories, developmental test and evaluation (DT&E) and operational test and evaluation (OT&E). OT&E also includes categories of initial operational test and evaluation (IOT&E), multi-service operational test and evaluation (MOT&E), qualification operational test and evaluation (QOT&E) and follow-on test and evaluation (FOT&E). These types of T&E are normally conducted by the Air Force Operational Test and Evaluation Center (AFOTEC) for ACAT I/II programs and programs on OSD oversight. MAJCOM support is often requested by AFOTEC for these OTA-led test efforts, and frequently, AFOTEC defers (non-involves) testing responsibilities to the MAJCOMs. Other OT&E-related activities include operational assessments (OA), operational utility evaluations (OUE), foreign materiel exploitation (FME), foreign comparative test (FCT) and test support for technology transition mechanisms. Technology transition mechanisms include advanced technology demonstrations (ATD), advanced concept technology demonstrations (ACTD)/ Joint Concept Technology Demonstrations (JCTD), and exercises and experiments. The focus of ACC T&E is force development evaluation (FDE), a subset of OT&E. FDE is primarily concerned with post-Milestone C (i.e., production and deployment phase) sustainment and operations, acquisition, pre-planned product improvement (P3I), and associated TTP development. Sustainment operational testing also includes tactics development and evaluation (TD&E) and the Weapon System Evaluation Program (WSEP). For further guidance and definition, see AFI 99-103.

**1.3. General T&E Policy.** As the lead major command (MAJCOM) for CAF T&E, ACC will:

1.3.1. Use dedicated test assets as available in the conduct of these tests IAW Air Force Policy Directive (AFPD) 10-9.

1.3.2. Conduct T&E over the life of a system to ensure the system continues to meet user requirements and to explore non-materiel means of satisfying deficiencies.

1.3.3. To the maximum extent possible, conduct T&E in a Joint environment.

1.3.4. Conduct FDE to support acquisition and fielding decisions, refine estimates made during IOT&E or QOT&E, evaluate changes and verify correction of deficiencies, assist in

TTP development, and to reevaluate a system to ensure it continues to meet operational needs.

1.3.5. ACC test units may support IOT&E, QOT&E, and FOT&E, but will not conduct these forms of T&E.

1.3.6. ACC test units can support but will not lead DT&E. DT&E support should be limited to pursuit of operational test objectives, but units may participate in combined test force activities and resource sharing agreements that promote efficiency.

1.3.7. ACC test units may support interoperability certification and mil-standard testing. AFC2IC/C2I is the ACC POC for interoperability and mil-standard testing. The ACC Communication Support Squadron (CSS) Tactical Data Link Interoperability Test Center is the primary organization performing mil standard and interoperability testing in support of AFC2IC. The ACC CSS also facilitates AF platform participation in joint interoperability tests performed by the Joint Interoperability Test Command (JTIC).

1.3.8. The United States Air Force Warfare Center (USAFWC) and the Air National Guard Air Force Reserve Command Test Center (AATC) are the principal organizations responsible for planning, coordinating and accomplishing CAF T&E.

1.3.8.1. Test centers will develop and evaluate TTPs to support the CAF; manage and conduct OT&E, FDE and other OT&E-related activities; manage and conduct Air-to-Air, Air-to-Ground and Nuclear WSEP; and support test projects conducted by AFOTEC, Air Force MAJCOMs, Department of Defense (DoD) and other government agencies as assigned.

1.3.8.2. T&E will be conducted using operational criteria by test personnel with qualifications commensurate with those who will use, maintain, and/or support the items being evaluated. OT&E, FDE, and TD&E will be conducted in an operationally representative environment.

1.3.8.3. Each ACC test center will develop programs to appropriately train newly assigned or unqualified personnel in T&E procedures, policy and organization.

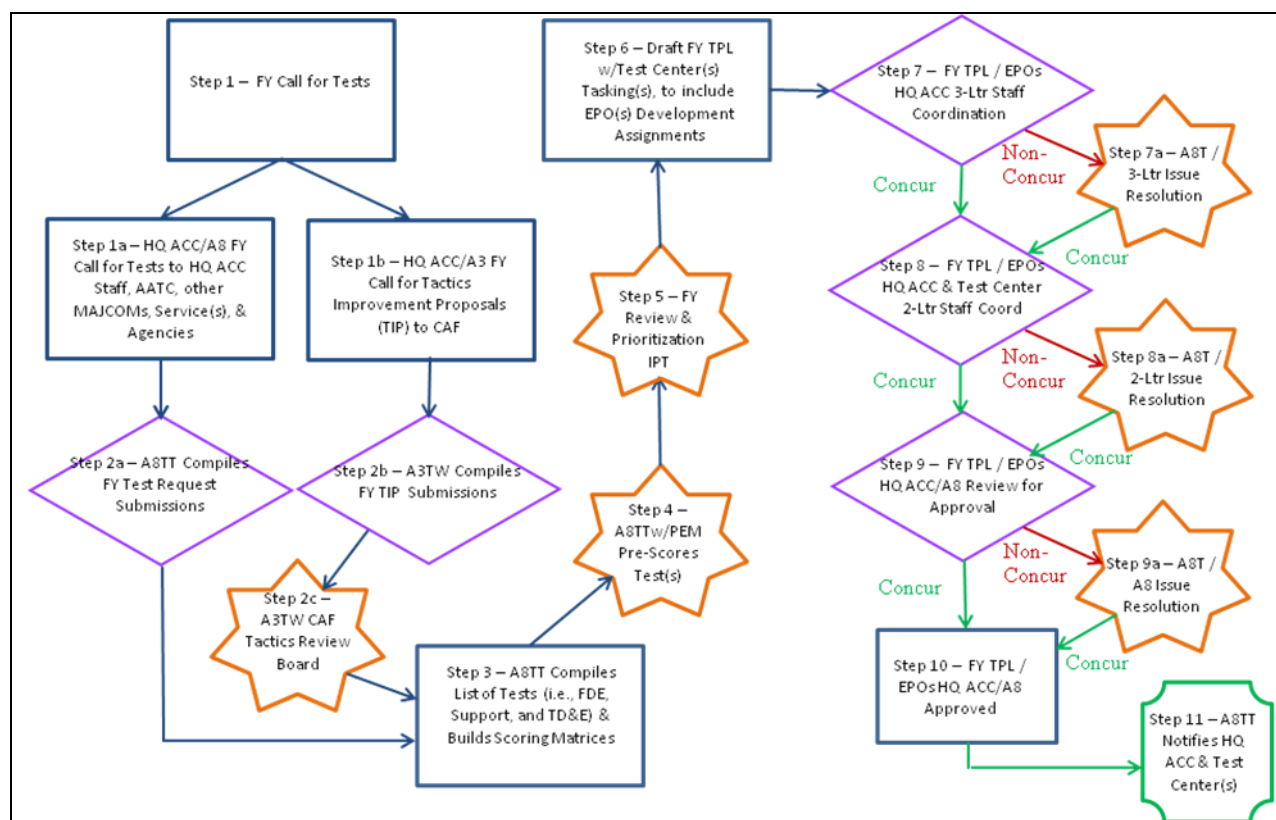
1.3.9. To ensure efficient use of ACC resources, manage operational risk and ensure personnel safety, operational or test units will not accept taskings or offerings to participate in T&E activities without HQ ACC/A8 approval. Operational or test units requesting test support from ACC operational units must refer requests for T&E support requiring CAF assets to HQ ACC/A8T ([acc.a8t@langley.af.mil](mailto:acc.a8t@langley.af.mil)).

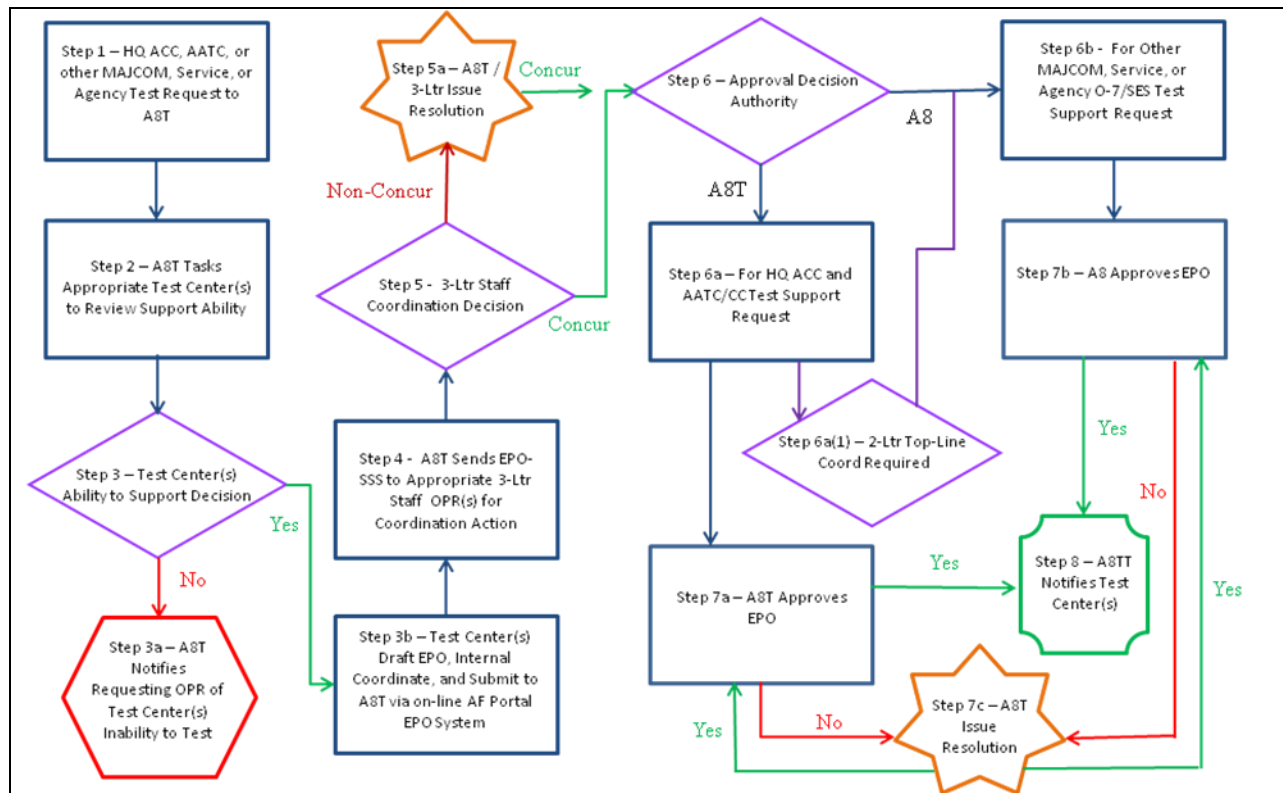
## Chapter 2

### GENERAL PROCEDURES

**2.1. HQ ACC Oversight.** The conduct of T&E often involves unique risks. A disciplined test prioritization and approval process, the ACC Test Prioritization List (TPL) and Electronic Project Order (EPO) processes, was established to ensure efficient use of ACC resources and manage operational risk by ensuring T&E is accomplished by the most appropriate organizations. All T&E related taskings will be accomplished through the EPO process, and T&E involving ACC resources will only be conducted after receipt of an EPO approved by HQ ACC/A8 (or ACC/A8T for out-of-cycle, ACC generated test requirements), with coordination from the appropriate ACC organizations (i.e., HQ ACC/A2/A3/A4/A6/A7, AATC/CC, USAFWC/CC) and other organizations (i.e., AFC2IC). HQ ACC/A8T is designated the clearinghouse for all T&E. In this capacity, HQ ACC/A8T is charged with reviewing all EPOs and ensuring test activities are supported by validated operational needs. Approved EPOs are prioritized and can be found on the TPL.

**Table 2.1. ACC Oversight Process – In Cycle**



**Table 2.2. ACC Oversight Process – Out of Cycle**

**2.2. Office of the Secretary of Defense (OSD) T&E Oversight List.** OSD/Director of Operational Test & Evaluation (DOT&E) maintains a list of major programs that have Congressional interest. OSD may become involved in the test process, test plan development, and test execution and may require special briefings. Consequently, those programs, and their special requirements, will be identified in project orders. All reports and briefings for those programs for which the AFOTEC is not involved are the responsibility of ACC test agencies and will be coordinated through HQ ACC. All test briefings going to HQ USAF and OSD will be coordinated through AF/TEP.

2.2.1. For those oversight programs where ACC test agencies are responsible for operational testing, direct communication with OSD action officers by the Integrated Test Team (ITT) is authorized to determine OSD/DOT&E involvement, testing and reporting requirements.

2.2.2. Where OSD action officers decline participation in test planning or the T&E forum is unable to make a determination as to OSD involvement or requirements, ACC test agencies should elevate their concerns through ACC/A8T to AF/TEP for adjudication and resolution.

**2.3. Test Support for another MAJCOM, Agency or Service.** Requests for T&E support from another MAJCOM, agency or Service will be referred to HQ ACC/A8T and approved before resources are expended. The appropriate HQ ACC division chief validates the request, assigns an action officer to assist test organization in the preparation of an EPO, and submits the request to HQ ACC/A8T for coordination and approval. All such support must be accompanied by an O-7 level or civilian equivalent request and needs specific details to include: the support required; the time frame for support; why the originating MAJCOM, agency or Service cannot support the project with their own resources; how the support requested will be funded; and any



other special considerations required in the support including the points of contact (POC) with representatives from all units (See Attachment 3, Example EPO). Test cost differences/savings is not a viable reason for requesting ACC test support.

**2.4. Resource Management.** HQ ACC/A8T is the office of primary responsibility (OPR) for USAFWC test resources. (Note: ACC/A3A provides oversight to ACC ranges.) In addition to all programming and budgeting issues, HQ ACC/A8T is the ACC OPR for:

2.4.1. The ACC/A8 test fleet (primary development/test aircraft inventory [PDAI] coded) and support aircraft assigned to the USAFWC.

2.4.2. Aerial target program management to include all programming and support requirements for both full scale and subscale targets.

2.4.3. All annual missile/drone allocations, support, and kill authorizations.

2.4.4. Drone recovery boats for the Eglin Range operating out of Tyndall Air Force Base (AFB).

2.4.5. POC for the ACC SEEK EAGLE program.

**2.5. T&E Funding Sources.** The funding sources for T&E depend upon the nature and purpose of the work and type of testing. While ACC testing is accomplished primarily with Operations and Maintenance (O&M) funding, test agencies are referred to DoD 7000.14-R, *Financial Management Regulation*, Vol 2A, Chapter 1; AFI 65-601 Vol 1, *Budget Guidance and Procedures*, Chapter 14; and AFI 99-109, *Major Range & Test Facility Base (MRTFB) Test & Evaluation Resource Planning*, for explicit guidance.

2.5.1. ACC testing is provisioned to meet CAF requirements. Accordingly, other MAJCOMs, services or agencies requesting ACC test support or expenditure of test assets will be required to provide funding commensurate with test support requested. Funding source, specific fund cite(s) and organizational financial point of contact information, must be included with test request submitted to ACC A8 Test and Training Branch (A8TT).

**2.6. Operational Support.** All requests for operational support for developmental or operational testing must be included in an ACC EPO. HQ ACC will not task operational units unless first deferred by a test center. The deferring test center will provide a recommendation for an operational unit best suited for a specific test. If a CAF aviation operational unit is required, HQ ACC/A8T will forward a request to HQ ACC/A3O IAW the AFI 10-420, *CAF Aviation Scheduling* process. If operational crew member(s) support only is desired, the assigned test agency will seek specific authorization from ACC/A3 in the form of a waiver to this ACCI. Waiver requests will be forwarded to A8TT for staff coordination and A3 approval.

**2.7. Electronic Project Order.** A web-based EPO is approved for each test project. The EPO includes the purpose, recommended Critical Operational Issues (COIs)/objectives (if available), test description and deliverables, scope, funding, equipment, munitions and personnel requirements, POC, and OSD oversight, if required. Test unit and/or operational unit commanders will not accept, execute or support testing with assigned CAF assets without an approved EPO. Other documents such as test and evaluation master plans (TEMP) and test resource plans (TRP) may be required prior to test execution, but are not authorization for test execution and do not eliminate the requirement for an EPO.

2.7.1. To promote planning and effectively deal with the large quantity of CAF tests, ACC employs the TPL Process to prioritize EPOs and gain HQ ACC/A8 approval. The TPL process is detailed in **Chapter 4**. Although there are some valid reasons for late test identification (i.e., urgent needs request, safety-of-flight, higher headquarters direction), use of the TPL process should be made to the maximum extent practical. Any test not submitted in time to be considered in the TPL process will be handled as an out-of-cycle EPO.

2.7.1.1. Priority tests. Urgent Operational Need (UON) and Quick Reaction Capability (QRC) test are in direct support of Combatant Commanders (COCOMs), and require a timely focused effort that must be emphasized by the tasked test center. ACC will prioritize tests supporting validated UONs and QRCs, and will expect all necessary test center support and resources be made available to the assigned task as appropriate to prioritization.

2.7.1.2. Out-of-Cycle Test and Evaluation Candidate Tests. All out-of-cycle test requests will be submitted by memorandum to HQ ACC/A8T. The memorandum will include a brief test description, objectives, resources required, funding, and timeframe of required test execution. (see Attachment 2) HQ ACC/A8T will forward out-of-cycle test requests to 53 WG/CC and/or 505CCW/CC (courtesy copy USAFWC/A3), and AATC/DT as appropriate to determine their ability to support and for concurrence. After test center coordination of the draft EPO, A8T will staff the EPO to the appropriate agencies for coordination. Following coordination, A8T will consider EPOs for approval. If approved, the status of the EPO in the web-based system will be changed to “approved,” the appropriate test center will be notified by e-mail, and the test will be entered into the CAF TPL. Note: In this case only, A8T is the approval authority for all Out-of-Cycle test requests that originate within ACC. For Out-of-Cycle requests that originate from external agencies by way of O-7/SES equivalent request, approval authority will be ACC/A8.

2.7.2. Test centers develop the EPO and process via a web-based EPO system hosted on the AF Portal. For AF Portal website access contact HQ ACC/A8TT at DSN 574-1088. A sample EPO is in **Attachment 3**. Because of AF Portal access requirements, all agencies or staffs will work through HQ ACC/A8TT to enter tests into the web-based system, as required. EPO tracking numbers are automatically assigned and include the fiscal year (e.g. “04”), a three-digit identification number (e.g. “001”), and a test center identification letter (e.g. “A”). Test center identifiers are USAFWC-53 WG “A”, USAFWC-505 CCW “C”, and AATC “R”. Multiple suffix identifiers indicate more than one test center involvement. The first letter in the suffix indicates the lead test center.

2.7.2.1. Regardless of whether an EPO is submitted out-of-cycle or as part of the TPL, the appropriate action officer or test project manager will input the test into the web-based EPO system. Once the test center coordination is complete, the center will “submit” the draft EPO to the HQ ACC/A8TT EPO inbox

([acc.a8tt.epo@langley.af.mil](mailto:acc.a8tt.epo@langley.af.mil)). Each EPO should be submitted with sufficient time in advance of the proposed test to coordinate support, modify aircraft, etc.

2.7.3. Blanket EPOs. If upon being tasked to support a test activity, a test center/organization anticipates numerous similar-type test support taskings, a blanket (a.k.a., umbrella) EPO may be submitted. These EPOs are not the norm, and will be considered on a case by case basis.

In the body of the blanket EPO, it will be stipulated that all test support and test execution activities to be accomplished under the authority of that EPO must be first coordinated through ACC/A8T for oversight and formal individual project tasking. All TD&E efforts to be accomplished under a blanket EPO must be coordinated through ACC/A3T. Upon ACC/A8T tasking and approval to execute, the blanket EPO will provide ACC with the ability to support and/or execute evaluations of related systems, tactics-techniques-procedures or concepts. Testing in response to an UON/QRC is not authorized under a blanket EPO, and will require separate tasking and EPO approval.

2.7.4. EPO Changes. Changes that significantly alter the scope, purpose, objectives, level of funding, lead test center, or participating MAJCOM of a test will require an amendment to the current EPO. The appropriate test project manager will input the amended EPO into the web-based EPO system. HQ ACC/A8T will then take action for staff coordination and approval of the amended EPO. Minor changes that do not include any of the above types of changes to a test project do not require an amendment.

2.7.5. Suspension of an EPO. When a test program is suspended for any reason, the test center should forward an e-mail advising HQ ACC/A8TT with information specific to date of action and reason for action.

**2.8. Certification of System Readiness for Operational Testing.** All systems will undergo some form of review and certification for readiness to operationally test prior to testing. ACC test agencies responsible for conducting operational testing will perform the same certification functions as AFOTEC in accordance with AFMAN 63-119, *Certification of System Readiness for Dedicated Operational Testing*.

**2.9. Test Resource Plans (TRP).** A TRP is an AFOTEC document that identifies the resources and timelines required to support an AFOTEC conducted IOT&E, FOT&E, MOT&E, QOT&E, OUE, or OA. All projects that support AFOTEC managed tests require a TRP. HQ ACC/A8T is the focal point for the ACC TRP coordination process. HQ ACC/A8TT will task the appropriate staff agency to coordinate the TRP as required with other staff agencies and test centers. Coordinated inputs will be integrated into a formal concur or non-concur memorandum directed back to AFOTEC by HQ ACC/A8T. TRPs with an associated comment review matrix (CRM) will be posted on the TRP Share Point Site for review

<https://acc.eim.acc.af.mil/org/a8/a8t/a8tt/testresource/default.aspx>. AFOTEC will adjudicate each comment. The adjudicated CRM will be posted at the Share Point Site for viewing.

**2.10. Test Plans.** The appropriate test organization using the EPO will prepare a detailed test plan with fidelity commensurate with the scope and complexity of the project plan. HQ ACC/A8 will coordinate on all test plans for programs subject to OSD oversight and approval if AFOTEC is not involved. Approval of all other test plans is delegated to the USAFWC/CC and AATC/CC. A signed test plan, with an approved EPO, serves as authority for a test unit to begin test execution.

2.10.1. A test plan for a program subject to OSD oversight requires HQ ACC/A8 coordination prior to submission to HQ USAF/TE and OSD if AFOTEC is not involved. OSD oversight program test plans will be forwarded to HQ ACC/A8T for staff coordination through HQ ACC/A8 prior to OSD approval. Test centers must ensure sufficient time is allowed for HQ ACC staffing and will forward test plans to HQ ACC/A8T a minimum of

fifteen days prior to suspense to HQ USAF/TE. See AFI 99-103 for OSD oversight requirements and specific guidance.

2.10.2. Test centers will coordinate test plans with the other Services and participating test organizations to the extent needed to maintain an efficient continuum of testing and avoid duplication of effort.

2.10.3. Test plan titles will be consistent with the title of the governing EPO.

2.10.4. Test objectives and TTP development may be accomplished in conjunction with other formal tests and evaluations or exercise venues (to include WSEP missions) that replicate the operational environment.

2.10.5. Test teams will develop and identify the appropriate test objectives and assessment criteria IAW program source documents (i.e., Capability Area Planning, Initial Capability Document [ICD], Capability Development Documents [CDD], TEMP, or analysis of alternatives [AOA]). **Note:** Source documents for WSEP are Commander, ACC (COMACC) Plans 85, 90, 001 and Commander, AFGSC Plan 001.

2.10.6. If sufficient test assessment criteria are not contained in program source documents, test organizations will coordinate with the appropriate ACC program staff functional office to establish acceptable criteria.

**2.11. Support Plans.** The supporting operational test wing/organization will determine whether a formal test support plan is required. If required, the test support plan describes how the other MAJCOM or agency test organizations will be supported, and normally includes information on the scope of participation, schedule, resources and funding.

**2.12. Test Conduct.** A test will be conducted and executed IAW the specific approved EPO and project test plan. Test sorties will be flown IAW MAJCOM instructions and directives, unless the appropriate MAJCOM/A3 or A8 approves specific waivers in the test plan.

**2.13. Interim Reports.** Test centers may be tasked by ACC/A8T to provide interim or interim summary reports. An interim report may be published anytime information becomes available which will have an immediate impact on the CAF or when a program has an extended test phase. An Interim Summary Report may be published to support a time sensitive fielding or production decision. The report may include observations, conclusions and recommendations. Interim reports will be sent to the same addressees as the final report.

**2.14. Quarterly and End of Year Reports.** The commanding officer or his designated representative of each ACC test wing (i.e., 53 WG and 505 CCW) as well as AATC will provide a formal quarterly assessment memorandum to ACC/A8T identifying their test organizations' progress toward accomplishing the test/support documented in the current TPL (Example at [Attachment 4, Example Quarterly/End of Year Assessment](#)). Referenced against the EPO number, the basic information to be provided includes: UON/QRC support activities, test completed (with final reports, fielding recommendations or sufficiency review published, etc.), test support completed (of tests conducted by other agencies), test completed (in reporting phase), tests unable to conduct (with rationale), and tests recommended for cancellation (if any).

**2.15. Final Reports.** Prepare final reports unless the requirement for a report has been specifically waived in the EPO or subsequent waiver is provided by ACC/A8T under separate correspondence. Support projects do not normally require a final report unless specified in the

EPO. Final report approval authority will be delegated to the test center commander unless otherwise specified in the EPO.

2.15.1. A test report for a program subject to OSD oversight and where AFOTEC is not involved requires HQ ACC coordination prior to submission to AF/TE and OSD. Test centers will forward OSD oversight program test reports to HQ ACC/A8T for staff coordination through HQ ACC/A8. Test centers must ensure sufficient time is allowed for HQ ACC staffing and will forward to HQ ACC/A8T a minimum of 15 days prior to suspense to HQ USAF/TE. See AFI 99-103 for OSD oversight requirements and specific guidance.

2.15.2. TTPs recommended by the T&E test team will be included in the final report, and HQ ACC/A3TW will be included in the distribution of the report.

2.15.3. Lead operational test organizations will review all T&E final reports for new or amended TTPs and will forward same to the 561<sup>st</sup> Joint Tactics Squadron, AFTTP 3-1 OPR. Test centers and appropriate ACC/A3 functional offices are responsible for inclusion of this new information in an appropriate Air Force Tactics, Techniques, and Procedures (AFTTP) 3-1 update.

**2.16. Distribution.** The distribution for test plans and final reports will be determined by the test manager in conjunction with the HQ ACC point(s) of contact in the EPO and will follow guidance in AFI 99-103, if applicable. Include HQ ACC/A8T on test report distribution lists for all unclassified programs (or for classified/STINFO information).

**2.17. Operational Briefings.** Briefings on test results and conclusions are provided to COCOMs and combatant crews when required to expedite the dissemination of time sensitive information. These briefings or “road-shows” will be planned and funded as part of a T&E effort.

**2.18. Release/Fielding Recommendations.** One of the primary functions of FDE (and OUE in the case of some low risk programs) is to provide a production or release/fielding recommendation. In general, a release/fielding recommendation is required for fielding of all weapon system modernization and improvement initiatives or updates. This includes revisions or updates to any operational flight program (OFF) for any ACC or AFGSC aircraft, weapon or integrated store (i.e. targeting pods), or C4ISR system. The level of operational testing required to produce a recommendation will be determined by the tasked test agency. Clarification or questions regarding level or scope of testing will be addressed with ACC/A8TT and the sponsoring ACC or AFGSC program office. Recommendations signed by the designated test center commander are forwarded to ACC/A8T for action at [acc.a8t@langley.af.mil](mailto:acc.a8t@langley.af.mil) or for classified/STINFO information, to [acc.a8t@langley.af.smil.mil](mailto:acc.a8t@langley.af.smil.mil). Release/fielding recommendations may be provided to ACC/A8T under separate cover from the final report, and as required by time sensitivities of the particular effort. ACC/A8T will forward the recommendations to the appropriate ACC, AFGSC or other responsible agency office(s) for staff coordination and approval. If fielding authority is not specified by regulation (i.e., AFI 63-131, AFI 63-131 ACC Sup 1, etc.) or program directives, ACC/A8 is the appropriate approval authority.

**2.19. Sufficiency of Test Review (SOTR).** Absent any significant planned operational testing, a formal review is conducted by operational testers of all relevant contractor and government test data to determine if sufficient testing has been accomplished to support a fielding

recommendation and/or production decision. SOTRs are normally requested for weapons or aircraft OFP updates of narrow or limited scope; form, fit, function hardware changes; and potentially other applications such as C4ISR. Based on findings, SOTRs will recommend whether or not additional testing is warranted prior to an ACC/A8 or AFGSC/A5 fielding/production decision.

**2.20. Capabilities and Limitations Report (C&LR).** A report based upon the review of all available test data conducted by operational testers. The intent of a C&LR is to support an ACC release of the system under test, normally aircraft OFP or mission planning software, prior to completion of planned testing (DT and/or OT). The C&LR will include a review of all relevant product development activity to date; documented testing accomplished; testing remaining; outstanding product deficiencies; and suggested operational limitations. This information will be provided to ACC/A8T without recommendation as to the advisability of releasing this item to the CAF.

**2.21. Verification Flight Test (VFT).** To smartly use limited resources and streamline tasking processes, routine integration verification flight(s) using ACC and/or AFGSC aircraft may be requested to support the fielding decision of an aircraft subsystem or store. The purpose of VFT is to provide post-DT&E integration verification information without having to conduct formal operational test. Requests for authorization to conduct VFTs should be made by the applicable aircraft systems group, ACC program functional, or by the designated test center commander to ACC/A8T or AFGSC/A3.

## Chapter 3

### CAF TACTICS DEVELOPMENT PROGRAM

**3.1. ACC Tasking.** ACC is tasked to serve as lead MAJCOM in developing, documenting, and disseminating tactics for the CAF. The CAF Tactics Development Program, described in this instruction is designed to meet that responsibility. Specific program guidance may be found in AFI 11-260, *Combat Air Forces Tactics Development Program*. The program's broad goals are to:

- 3.1.1. Identify tactics deficiencies in all areas of fighter, bomber, rescue, command and control, information operations, space integration, cyberspace and air defense sector operations.
- 3.1.2. Use the appropriate mission area plans (or flight plans) as complementing document(s) to the CAF Tactics Development Program for identification of tactics deficiencies.
- 3.1.3. Conduct a formal TD&E program to correct tactical deficiencies by developing new tactics.
- 3.1.4. Continually validate existing tactics against emerging threats and new technologies.
- 3.1.5. Consolidate and rapidly disseminate tactical information.
- 3.1.6. Develop tactics for new or modified weapons systems entering the CAF inventory.

**3.2. Tactics Development.** Tactics development starts as early in the acquisition cycle as possible. Incorporate TTP objectives in IOT&E, QOT&E, FOT&E, and FDE to the maximum extent practical. For aircraft modifications such as OFP upgrades, the FDE may be the only opportunity to evaluate impact on tactics.

**3.3. Tactics Improvement Proposal (TIP).** Each level of command will evaluate tactics for areas within its expertise and submit a TIP when appropriate IAW AFI 11-260. Subordinate units should review the appropriate mission area plan(s) (MAP) or flight plan(s) during their preparation for and conduct of the annual Tactics Development Program. Responsibilities include:

- 3.3.1. MAJCOM and Numbered Air Force (NAF) - deployment, combat planning, combat operations, tasking of combat forces, and command and control of forces.
- 3.3.2. Test Centers - weapons and tactics issues that result from the centers' activities.
- 3.3.3. Wing, Group, and Air Defense Sectors - weapons and tactics issues related to the designed operational capability (DOC) statement, local tasking, or Air Expeditionary Force (AEF) tasking.
- 3.3.4. Squadrons - weapons and tactics issues related to any aspect of mission planning and execution.

**3.4. Approval Level Responsibilities.** HQ ACC/A3 is the tasking and approval level for the CAF Tactics Development Program. HQ ACC/A3T is the OPR and project office. HQ ACC/A3 will:



3.4.1. Coordinate with appropriate MAJCOM/A3s, National Guard Bureau (NGB/A3), and AFRC/A3 on programs that affect their respective activities.

3.4.2. When requested by HQ ACC/A8, provide a concept of employment for the applicable OT&E or FDE to ensure tactics development starts as early as possible in the acquisition cycle.

3.4.3. Participate in technical order (T.O.) approval, as required.

3.4.4. Formal tasking and approval for conduct of TD&Es will be IAW the process outlined in this instruction. A8 (in coordination with A3) is the final approval authority for all test activity included on the TPL.

**3.5. Test Organizations.** USAFWC and AATC are the primary TD&E organizations. Selected units may also be tasked to assist the TD&E effort, as appropriate. Test centers are selected to conduct specific TD&E projects based on unique capabilities, resource availability, and projected workload.

**3.6. AFTTP Responsibilities.** AFTTP are the primary source of tactics information for the CAF, IAW AFI 11-260 and AFTTP 3-1, *General Planning*, Attachment 4. They contain information that has been validated and has CAF-wide concurrence.

3.6.1. HQ ACC/A3 is the designated primary review authority for AFTTP and is responsible for the content and approval of AFTTP volumes. ACC/A3 delegates AFTTP program oversight to ACC/A3TW, who in turn works with the 561JTS for updating AFTTP volumes to include volume management, production and dissemination.

3.6.2. Test Centers will review applicable information sources on weapon systems for which they have tactics responsibilities and identify information for inclusion in AFTTP 3-1 or TD&E final and interim reports. Any TTPs identified for inclusion in AFTTP 3-1 volumes should be forwarded to the 561JTS. The 561JTS will assign the inputs to the appropriate Mission Design Series (MDS) model manager for potential inclusion in the next AFTTP 3-1 rewrite. If through operational testing, OT&E develops TTPs that are time perishable and which need immediate dissemination, OT&E squadron commanders can submit those TTPs to the 561JTS in the form of an OT Flash Bulletin (FB) (see AFTTP 3-1GP Attachment 4). The 561JTS will assign the FB to the appropriate MDS model manager and facilitate domain-wide dissemination (as well as track for potential inclusion into future AFTTP 3-1 rewrites).

3.6.3. Specific procedures and responsibilities for the management of AFTTP are contained in AFTTP 3-1, Volume 1, *General Planning*, Attachment 4.

3.6.4. Changes to AFTTP are published on an as-needed basis. These changes contain executive summaries of interim and final reports and any other information releasable to the CAF as valid tactics.

**3.7. Identification of Tactics Deficiencies.** Identified deficiencies are documented on a TIP and forwarded through the appropriate chain of command to HQ ACC/A3T. Units can submit a TIP anytime new tactics need validating or a tactical deficiency is recognized. HQ ACC assigns the TIP to the appropriate OPR for action if immediate testing is required. A proposed change to operations or training procedures, as contained in the 11-series manuals, should be submitted by



message to HQ ACC/A3T. The TIP process will not be used to request modification or acquisition of hardware or software.

3.7.1. If a TIP is of immediate concern and affects current operations and testing, forward the TIP immediately to the respective MAJCOM weapons and tactics office. HQ ACC will assign the TIP to the appropriate OPR for action if immediate testing is required.

3.7.2. The Annual Tactics Review Board (TRB) will be chaired by HQ ACC/A3 no later than 15 Jan of each year in order to support the TPL process. Detailed procedures for the TRB are in AFI 11-260. All TIPs approved for formal evaluation are made part of the Test Priority List and forwarded to the respective test centers for incorporation into the respective OT&E, FDE and/or TD&E test programs.

3.7.3. The ACC project officer will support the test manager in developing an EPO for each TD&E test. The project order is input into the EPO system and includes the recommended objectives, scope (i.e., cost, sorties, type aircraft), and munitions requirements. Due to the time sensitive nature of tactical deficiencies, each TD&E is scoped for completion within one calendar year.

## Chapter 4

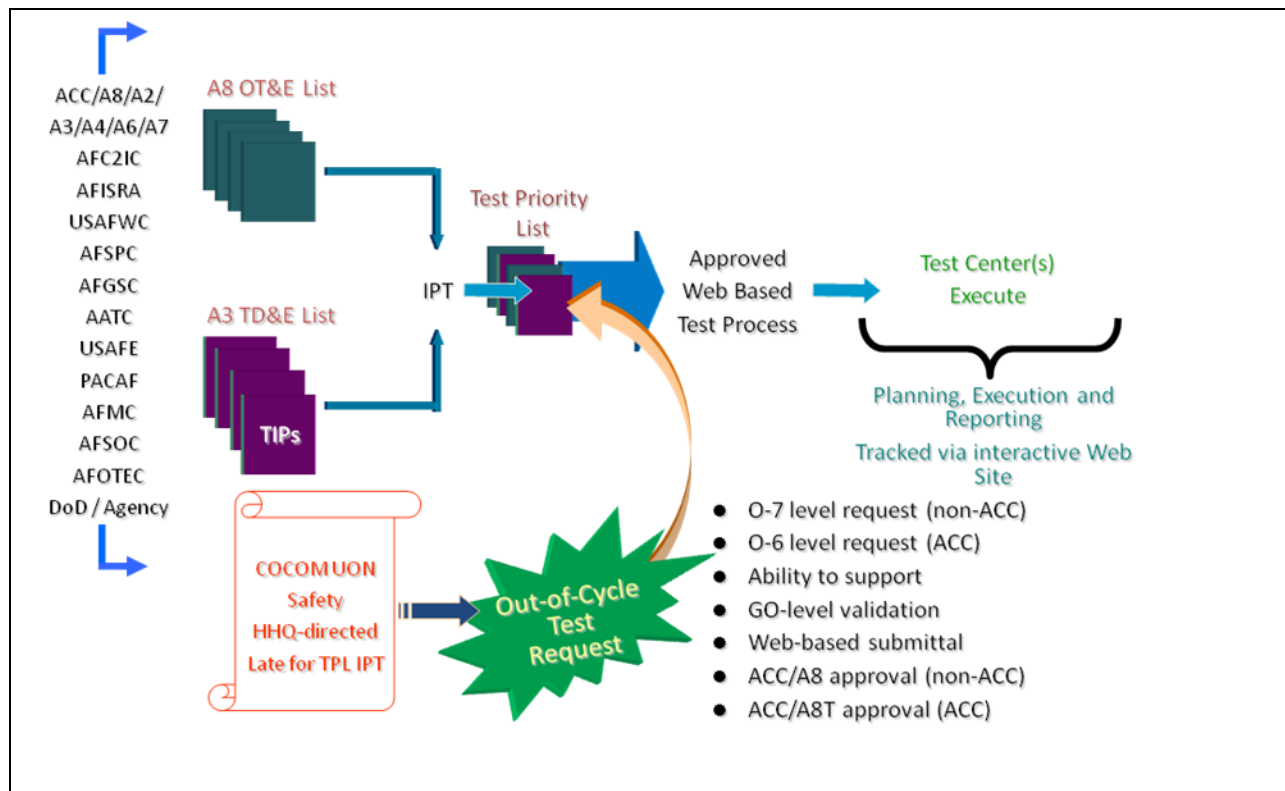
### TEST PRIORITY LIST (TPL) PROCESS

#### 4.1. TPL Process.

4.1.1. Each year, HQ ACC prioritizes CAF T&E programs for USAFWC and AATC execution; additionally, ACC test support to other MAJCOMs, Services, and Agencies are also prioritized (**Table 4.1 TPL Process**). Once identified, EPOs will be prioritized and approved in mass for the upcoming fiscal year (FY). With the approval of the TPL, test units are authorized to conduct test planning and execution. A test request failing to be submitted in time to be considered in the TPL process will be handled as an out-of-cycle request, and will follow specific guidelines established in paragraph 2.7.1.2 The TPL sets the relative priority of projects for ACC operational test agencies and serves as a guide for allocating resources (i.e., funding, scheduling, aircraft, and personnel).

4.1.2. The TPL is a guide for HQ ACC/A3/A8, USAFWC and AATC scheduling and resource allocation and is not a guarantee that a project will be executed.

**Table 4.1. TPL Process**



#### 4.2. Annual Call for Tests. See Table 4.2 Call for Tests.

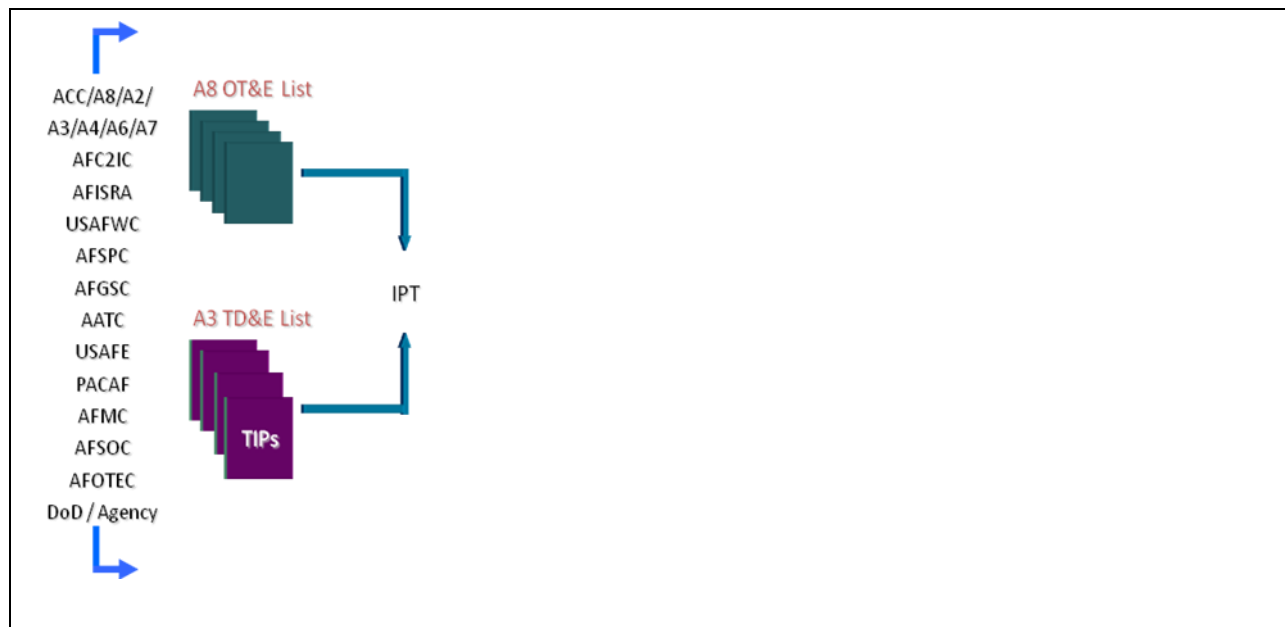
4.2.1. Each year, HQ ACC/A8T will e-mail a 'Call for Test' memorandum to all HQ ACC/A8/A2/A3/A4/A6/A7 divisions, AFC2IC, USAFWC/CC, AATC/CC and other MAJCOMs, Services and Agencies, as appropriate, requesting their respective staffs and subordinate test units provide their next FY T&E proposed test requirements list(s) to HQ

ACC/A8TT. This “Call for Test” memorandum is the first step in the annual TPL Process. Specific to TD&E, HQ ACC/A3T will hold a CAF Tactics Review Board to review the TIPs submitted and a Weapons and Tactics Conference to approve the TIPs. Approved TIPs become the basis for the following FY TD&E list submitted to A8TT.

4.2.2. HQ ACC/A8 sends the ‘Call for Test’ memorandum concurrently to specific non-ACC USAF MAJCOM and test agencies, requesting they provide their list, accompanied with a brief description for each of their test efforts requiring ACC assets and/or personnel support.

4.2.3. Upon receipt of the all source test execution and support requirements, HQ ACC/A8TT will compile the test and evaluation candidate list, and begin to populate the TPL scoring matrices. HQ ACC/A8TT will coordinate the proposed FY test listing with ACC’s test organizations; i.e., USAFWC and AATC. After completing their review, the ACC test organizations will use the FY test listing in their preparation for the February program review and prioritization scoring by the TPL Integrated Product Team (IPT). The effort will include the drafting and submission of a draft EPO for each of the FY test programs, as appropriate (Example at [Attachment 3](#)). For this reason, test center OPRs need to be identified at the earliest opportunity.

**Table 4.2. Call for Tests**



### 4.3. TPL IPT.

4.3.1. The TPL IPT includes subject matter experts from the test centers and the program element monitors (PEM) from HQ ACC and other agencies as appropriate.

4.3.2. The IPT's charter is the review and prioritization of all proposed FY CAF T&E programs.

**4.4. TPL IPT Program Review.** The purpose of the program review is to:

4.4.1. Make the TPL IPT members knowledgeable of each identified FY T&E candidate project. This is accomplished by allowing HQ ACC division chiefs/designated representatives, ACC test center personnel, and other MAJCOM or test organization personnel the opportunity to brief the IPT members about the details of proposed test projects. The HQ ACC/A3TW members will brief TD&Es approved by the CAF TRB and HQ ACC/A3. For all FY new start tests:

4.4.1.1. A HQ ACC representative (i.e., HQ ACC PEM, action officer, or A8TT), in conjunction with the test center representative, will provide the IPT copies of the specific test request template (see [Attachment 2](#)) or draft EPO (see [Attachment 3](#)) if available, for each new FY test. The test request template or draft EPO must contain sufficient detail to convey the test purpose, scope, objectives and resources. A short program overview, based on either of the stated documents' data, will be presented to the IPT.

4.4.1.2. A8TT will pre-score tests to the maximum extent possible with ACC representatives. The IPT membership will review the pre-scoring and question the test program representative, if available. The information presented from the draft EPO or test request template will be used as a point of reference during the formal TPL scoring process.

4.4.2. Allow the IPT to screen all identified FY T&E candidate projects for validity and supportability.

4.4.3. Provide an information base so IPT members can generate a relevant score of each FY T&E effort against the criteria established in the test prioritization scoring worksheet to formulate a prioritized list of tests; i.e., a draft FY TPL.

4.4.3.1. FY carry-over tests will be advocated by a test center representative with the IPT being provided copies of the approved EPO.

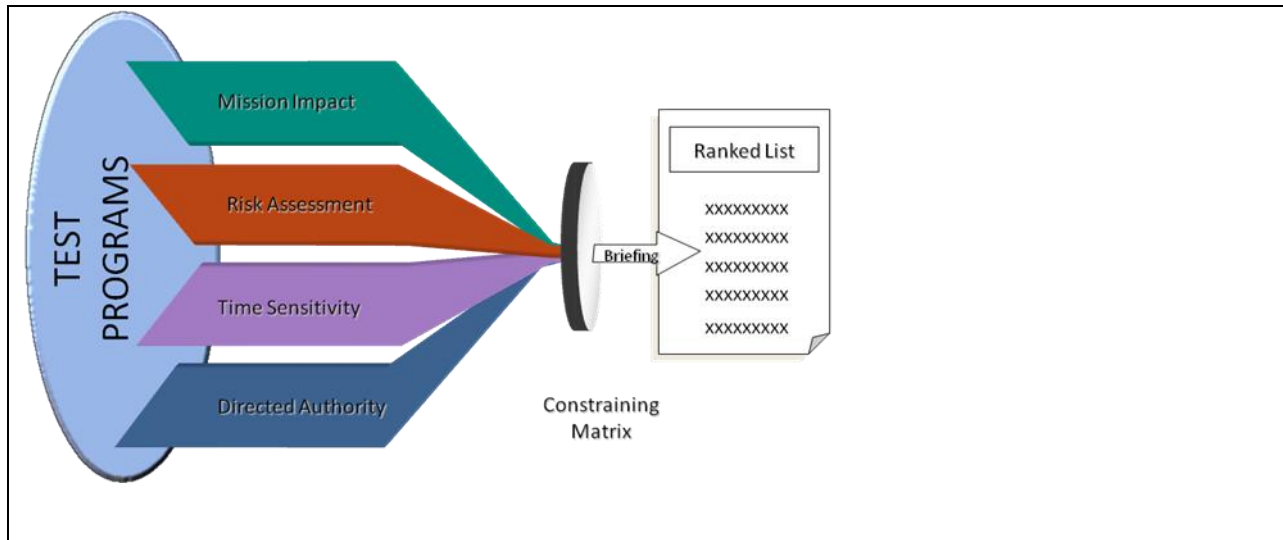
4.4.3.1.1. Any change in objectives, scope, or resources required must be addressed to the IPT.

4.4.3.1.2. The IPT will prioritize the carry-over tests and determine if an amendment to the approved EPO is warranted. EPO will be re-scored by consensus of the TPL IPT.

**4.5. TPL IPT Scoring Methodology.** Following the review of each T&E candidate program, the TPL IPT will:

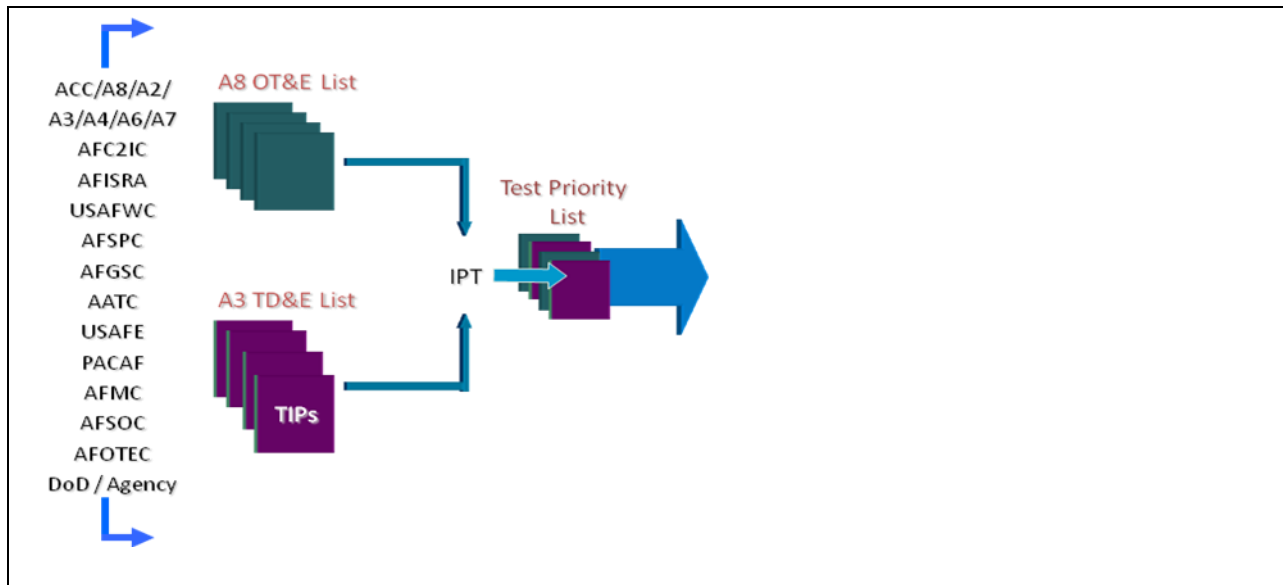
4.5.1. Apply the scoring analysis and matrices to provide a point score; i.e., all identified programs are validated/prioritized against an established linked matrices process, with imbedded values for operational payback, technical risk, user need date, and directed authority ([Table 4.3 Scoring Methodology](#)). This process of review and score will be accomplished against the combined group of candidate T&E programs.

**Table 4.3. Scoring Methodology**



4.5.2. The final output of the scoring matrix will produce the combined CAF draft priority list for the next FY from the TPL IPT QFD (Quality Function Deployment) (**Table 4.4 Test Priority List**).

**Table 4.4. Test Priority List**



**4.6. TPL Approval Process.** After TPL IPT adjournment, HQ ACC/A8TT will finalize a FY draft TPL:

4.6.1. The proposed FY TPL will be distributed for review, comment and coordination via e-mail memorandum NLT 10 working days after the TPL IPT adjourns. All coordination must be funneled back through HQ ACC/A8TT for action. All tests listed in the proposed FY TPL will have a corresponding web-based EPO. During the coordination effort on the TPL, individual EPOs will be available for review, as necessary.

4.6.2. TPL staff coordination and approval will be accomplished in three stages:

4.6.2.1. HQ ACC division (3-letter), AFC2IC directorate (2-letter), 53 WG/CC, AATC/CC, USAFWC/A3 and 505CCW/CC coordination.

4.6.2.2. HQ ACC directors (2-letter), USAFWC/CC, AATC/CC and AFC2IC top line coordination, as required.

4.6.2.3. HQ ACC/A8 review and approval.

## Chapter 5

### TEST AND EVALUATION RESPONSIBILITIES

**5.1. Director of Requirements (HQ ACC/A8).** As OPR for ACC Test and Evaluation, HQ ACC/A8 will:

- 5.1.1. Serve as the approval authority for each initial FY EPO and associated TPL, and as the central point of contact within ACC for all matters concerning T&E. Additionally, A8 will serve as approval authority for all associated EPOs for non-ACC originated out-of-cycle O-7/SES test support requests.
- 5.1.2. Ensure the dissemination within ACC of higher headquarters T&E policy, guidance, and procedures.
- 5.1.3. Before the start of a test ensure system maturity has been defined in the appropriate program documentation and involved test centers have a clear understanding of all the user evaluation criteria.
- 5.1.4. Participate in advanced planning and resource programming for the USAFWC.
- 5.1.5. Coordinate with the appropriate HQ ACC division for the assignment of a project officer when the need for a test has been identified.
- 5.1.6. Ensure HQ ACC/A8 representation as early as possible at ITT meetings as required by AFI 99-103.
- 5.1.7. Coordinate test resource requests, requirements and authorizations to share test data among all program stakeholders (i.e., MAJCOMs or HQ USAF agencies and the test centers).
- 5.1.8. Coordinate with HQ ACC/A3 if ACC operational assets are required. CAF aviation operational units are tasked for support of test and evaluation IAW the AFI 10-420 process. All requests for operational assets to support T&E must be approved by the HQ ACC/A3. When an operational unit is involved in a test, the operational wing commander will have final approval authority over his unit's assets for test participation.
- 5.1.9. Provide consolidated HQ ACC inputs for AFOTEC TRPs.
- 5.1.10. Ensure formal coordination is obtained with other MAJCOMs, Services or Agencies when their participation is required in a test.
- 5.1.11. Ensure HQ ACC/PA is kept informed of any developments that have potential public affairs impact.
- 5.1.12. When required, submit a request to HQ USAF/A8PE for a higher precedence rating when the assigned precedence rating is inadequate to complete a test within the time required.
- 5.1.13. Review requests received for a new test or project to determine if another command or service has conducted a similar effort that would fulfill the requirement and determine if a test is required.

5.1.14. Monitor test report recommendations and coordinate with other agencies when required to ensure follow-up action is taken on these recommendations.

5.1.15. Serve as the final release and approval authority for all production/fielding decisions. (See paragraph 2.18 above.)

5.1.16. When requested by HQ USAF/TE, prepare Congressional Data Sheets and descriptive summaries for ACC-conducted tests.

5.1.17. Provide to the test centers a CAF TPL that integrates all T&E into a single integrated priority list. The TPL will be completed sufficiently in advance so as to be used to aid in developing a test center's annual financial plan.

5.1.18. Act as OPR for the nomination and approval process of OSD-directed FCTs. Once the test is chartered, the OPR is transferred to an appropriate HQ ACC directorate and division.

5.1.19. Act as OPR for the nomination and approval process of OSD-directed Joint Test and Evaluation (JT&E) requirements within the purview of AFI 99-106, *Joint Test and Evaluation. Program*. Once the joint test force is chartered, the OPR is transferred to an appropriate HQ ACC directorate and division.

**5.2. Test and Training Division (HQ ACC/A8T).** HQ ACC/A8T will serve as the clearinghouse for all T&E. HQ ACC/A8T will:

5.2.1. Function as the ACC PEM for PE 28015, Combat Development, PE 35116, Aerial Targets and PE 27590, Aircraft Stores Certification (SEEK EAGLE).

5.2.2. Serve as the HQ ACC/A8 POC for the EPO and TPL processes.

5.2.3. Act, by ACC/A8 delegation, as EPO approval authority for ACC-initiated out-of-cycle EPOs.

5.2.4. Act as the HQ ACC/A8 single point for receipt of test plans, support plans, TRPs, interim and final reports and release/fielding recommendations for staff coordination and ACC/A8 approval as required. ACC offices with program management responsibility serve as the OPR for ACC coordination of associated TEMP. ACC/A8T will be OCR for coordination of all TEMP.

5.2.5. Act as the HQ ACC focal point for FCT policy, procedures, nominations, and final staff coordination.

5.2.6. Act as the HQ ACC focal point for Resource Enhancement Program policy, procedures, nominations, and final staff coordination.

5.2.7. Act as the HQ ACC focal point for the CAF SEEK EAGLE Program, the standard for loading, safe carriage, safe separation, and safe escape aircraft-stores certification process. For specific guidance reference AFI 63-104, *The SEEK EAGLE Program*.

5.2.8. Act as HQ ACC focal point for JT&E policy, procedures, nominations and final staff coordination.

5.2.9. Serve as HQ ACC POC for aerial targets program management. For specific guidance reference AFI 99-108, *Programming and Reporting Aerial Target and Missile Expenditures in Test and Evaluation*.



**5.3. Director of Operations (HQ ACC/A3).** HQ ACC/A3 monitors ongoing weapon system tests to determine if tactics development objectives are addressed during test and evaluation. As the OPR for ACC TD&E, HQ ACC/A3 will:

- 5.3.1. Appoint a POC to coordinate with HQ ACC/A8 project officers on test and evaluation matters.
- 5.3.2. Participate in the preparation of EPOs to ensure tactics or training program development and evaluation is conducted in conjunction with other ACC-managed T&E.
- 5.3.3. Coordinate on HQ ACC/A8 requests for operational unit support of T&E and task appropriate wing as required.
- 5.3.4. Support the development and publishing of the CAF TPL.
- 5.3.5. Approve all TIPs and resulting revisions of AFTTP 3-1.
- 5.3.6. Provide HQ ACC/A8 the tactics, techniques and procedures objectives for test and evaluation projects.
- 5.3.7. Provide a formal support request for any activities requiring designated test assets or resources.

**5.4. Strategic Deterrence and Nuclear Integration (HQ AFGSC/A3 and HQ ACC/A10).** AFGSC/A3 will serve as the focal point for B-2/B-52 nuclear testing. ACC/A10 will serve as the focal point for all Dual Capable Aircraft (DCA) CAF nuclear FDE testing.

- 5.4.1. AFGSC/A3 and ACC/A10 will appoint a POC to coordinate with HQ ACC/A8 project officers on test and evaluation matters.
- 5.4.2. AFGSC/A5R will function as the PEM for PE 11120 Advanced Cruise Missile, and 11122F Air Launched Cruise Missile.
- 5.4.3. ACC/A10 will act as OPR for COMACC Plan 001, *Dual Capable Aircraft Nuclear Weapon System Evaluation Program* (COMBAT SLEDGEHAMMER). AFGSC/A3T will act as OPR for AFGSC/CC Plan 001, *Nuclear Weapon Systems Evaluation Program* (COMBAT SLEDGEHAMMER).
- 5.4.4. ACC/A10 and AFGSC/A3T will coordinate all FDE efforts with applicable HQ ACC directorates, units, and other MAJCOMs/ agencies as required.

**5.5. Airspace Ranges and Airfield Operations Division (HQ ACC/A3A).** HQ ACC/A3A serves as the designated focal point for all ACC range and airspace issues. ACC/A3A will:

- 5.5.1. Represent ACC range and airspace interests to the test and evaluation community and acts as the MAJCOM focal point for ACC MRTFB policy, procedures and staff.
- 5.5.2. Review and approve requests for conducting test, demonstrations or experimentation on ACC primary training ranges.
- 5.5.3. Process AFI 13-212, Range Planning and Operations, waiver/exemption requests for ACC ranges from the test community.
- 5.5.4. Oversee ACC range planning to capture future test and training needs and to determine adequacy of ACC range resources to support the test and evaluation.

**5.6. Operations Division (HQ ACC/A3O).** HQ ACC/A3O will serve as the designated focal point for scheduling CAF aviation operational assets for test IAW the AFI 10-420 process.

**5.7. Flight Operations Division (HQ ACC/A3T).** HQ ACC/A3T will serve as the designated focal point for CAF tactics development and evaluation. As the HQ ACC/A3 focal point HQ ACC/A3T will:

- 5.7.1. Act as HQ ACC focal point for coordination of tactics issues associated with JT&E.
- 5.7.2. Identify ACC OPRs for applicable recommendations in interim and final reports.
- 5.7.3. Obtain formal coordination on project plans from NAFs, ANG, AFRC, and other MAJCOMs, Services, or Allied Forces, when necessary.
- 5.7.4. Coordinate all TD&E efforts with HQ ACC/A8T.
- 5.7.5. Serve as OPR for all manned Full Scale Aerial Targets training issues and associated flying operations.
- 5.7.6. Act as OPR for COMACC Plan 85, Air-to-Air WSEP and COMACC Plan 90, Air-to-Ground WSEP (COMBAT ARCHER and COMBAT HAMMER).
- 5.7.7. Evaluate and approve requests made by ACC test centers for waivers to current training rules necessary to support ACC operational test and evaluation.

**5.8. Information Operations Division (HQ ACC/A3I).** HQ ACC/A3I serves as the designated focal point for CAF Information Operations (IO).

- 5.8.1. Act as HQ ACC focal point for IO JT&E policy, procedures, nominations and final staff coordination.
- 5.8.2. Identify ACC OPRs for applicable recommendations in interim and final reports.
- 5.8.3. Obtain formal coordination on project plans from NAFs, ANG, AFRC, and other MAJCOMs, Services, or Allied Forces, when necessary.
- 5.8.4. Coordinate all TD&E efforts with HQ ACC/A3T, ACC/A8I and ACC/A8T.
- 5.8.5. Support HQ ACC/A3T in tactics development and provide expertise as necessary to support HQ ACC/A3T during the yearly TRB.

**5.9. Director of Logistics (HQ ACC/A4).** HQ ACC/A4 monitors ongoing weapon system tests to determine if suitability issues are being addressed during test and evaluation. HQ ACC/A4 will:

- 5.9.1. When requested by HQ ACC/A8, appoint a POC to coordinate with HQ ACC/A8 project officers on matters concerning test and evaluation and operational suitability and supportability for designated tests.
- 5.9.2. Provide all logistics test requirements to HQ ACC/A8 and HQ ACC/A3 for inclusion in T&E prioritization.
- 5.9.3. When established, participate in Joint Reliability and Maintainability Evaluation Team (JRMET) to assist in collection, analysis, verification and categorization of reliability, maintainability and availability (RM&A) data.

5.9.4. When established, participate in a Test Data Scoring Board (TDSB) (government-only group) to compile, review and score RM&A data.

5.9.5. Participate in T.O. verification and when required, test T.O. validation. Approve verified maintenance T.O.s for use.

5.9.6. When required, support munitions and supply requirements for execution-year test projects and out-year planning and programming activities.

5.9.7. When requested by HQ ACC/A8, provide a maintenance concept for projects to support operational testing.

5.9.8. Coordinate on HQ ACC/A8 or HQ ACC/A3 taskings to operational units for support of T&E.

**5.10. Director of Communications (HQ ACC/A6).** HQ ACC/A6 monitors ongoing weapon system tests to determine if cyberspace issues to include communications and information issues are being addressed during T&E. HQ ACC/A6 will:

5.10.1. When requested by HQ ACC/A8, appoint a project officer to coordinate on matters concerning cyberspace/communications-information systems operational suitability and supportability for designated test and evaluations.

5.10.2. Provide a technical focal point for data processing, communications-electronics, computer programming, operations, systems analysis, and software evaluation support.

5.10.3. When appropriate to the test project, participate in the preparation of the EPO that directs evaluation of software performance, operator-computer interface, or software maintainability and supportability.

5.10.4. Monitor efforts and results of cyberspace/communications-information systems personnel located at test centers that participate in designated T&E.

5.10.5. When appropriate to the test project, perform a detailed technical and management review of test plans and procedures for software test requirements.

5.10.6. Coordinate with HQ ACC staff on EPOs and test procedures.

5.10.7. Provide technical support to the HQ ACC staff for studies and analyses, documentation reviews, and evaluation of test results, as required.

5.10.8. Provide cyberspace/communications-information systems technical assistance to the USAFWC, AATC and other technical centers, as required.

5.10.9. Participate in T.O. validation and recommend approval of verified software for use.

**5.11. Test Centers.** Unless directed otherwise, USAFWC and AATC will:

5.11.1. Monitor defense acquisition programs when directed, manage HQ ACC directed T&E and support testing conducted by other agencies as directed by HQ ACC EPOs.

5.11.2. Appoint a project manager, as appropriate.

5.11.3. Ensure procedures are established for the planning, conducting, and reporting of test programs according to this instruction and AFI 99-103.

5.11.4. Prepare, coordinate, publish, and distribute test plans, support plans, final reports and fielding recommendations as required by this instruction, AFI 99-103 and as directed by the EPO. Maintain documentation IAW the Records Disposition Schedule (RDS).

5.11.5. When required, ensure all published technical documents (i.e., test plans, final reports) are assigned a document number by STINFO procedures according to the guidance in AFI 61-201, *The Local Scientific and Technical Information Process* and AFI 61-202, *USAF Technical Publications Program*.

5.11.6. Coordinate the test and support plan with all participating ACC, AFRC, ANG and other agencies providing support. Ensure operational test objectives for operational effectiveness and suitability adequately reflect system requirements. Also, evaluate tactical employment to the maximum extent practical in the operational environment.

5.11.7. Provide test aircrews, technical support (analysts and engineers) and maintenance experts for planning tests, review of test planning documents, and the development and evaluation of test results.

5.11.8. Obtain field level coordination of test plans with other commands, Services, or agencies for facilities, aircraft, personnel, logistics, engineering, funding, or information support.

5.11.9. Obtain T-2 modification engineering approval (AF Form 1067 *Modification Proposal*) from Air Force Materiel Command (AFMC), when required.

5.11.10. Submit appropriate system deficiencies as prescribed in T.O. 00-35D-54, *USAF Deficiency Reporting, Investigation, and Resolution*. Technical data discrepancies will follow T.O. 00-5-1 *Air Force Technical Order System* and T.O. 00-5-3 *Air Force Technical Order Life Cycle Management* direction.

5.11.11. Designate a central custodian to maintain and forward case files to the Defense Technical Information Center (DTIC) IAW the RDS to include test plans, interim/final reports, and any other applicable documents that have significant record value for permanent retention.

5.11.12. Submit center munitions requirements to include telemetry instrumentation kits in support test and evaluations, WSEP, and aircrew training to HQ ACC/A3TW, per AFI 11-212 *Munitions Requirements for Aircrew Training* and AFI 99-120 *Forecasting and Programming Munitions Telemetry and Flight Termination Systems* direction.

5.11.13. Ensure an environmental impact analysis is completed before any decision to start testing, as required. Where needed, submit AF Form 813 *Request for Environmental Impact Analysis* to appropriate environmental office for analysis.

5.11.14. Ensure appropriate test personnel participate in the HQ ACC TPL IPT.

5.11.15. Co-chair the ITT when AFOTEC is not involved with the program or project.

5.11.16. Prepare an annual financial plan including resources required for each projected test.

5.11.17. Assist System Program Office (SPO) as appropriate with certification of system readiness for dedicated operational testing. (Refer to AFMAN 63-119, para 1.4.4)

5.11.18. IAW CSAF charter, USAFWC will coordinate across MAJCOMs as well as with AFOTEC to ensure ACC operational testing priorities are synchronized with other Air Force test interests.

**5.12. ACC Project Officer.** Each OT&E, FDE, and DT&E support EPO will have a project officer assigned by HQ ACC/A8 and each TD&E by HQ ACC/A3. The project officer will:

5.12.1. Review the appropriate program management directives (PMD), and requests for T&E management support.

5.12.2. Assist the project manager in preparing the test plan and final report for HQ ACC-managed tests on the OSD/DOT&E Oversight List.

5.12.3. Coordinate the TRP resource requirements of ACC-supported AFOTEC programs with ACC staff.

5.12.4. Provide liaison between the test centers, HQ ACC and other commands or agencies, as required.

5.12.5. Coordinate on the EPO and assist ACC/A8TT as required with EPO coordination across ACC and other commands or Services when their participation in a test is required.

5.12.6. Coordinate the test plan, support plan, or final report requiring HQ ACC/A8 approval.

5.12.7. Coordinate all appropriate TEMP's with HQ ACC/A8T and ensure HQ ACC/A8T receives a copy of each.

5.12.8. Ensure copies of PMDs received from Air Staff OPR are provided to the appropriate test centers.

5.12.9. When requested, ensure Air Staff OPR provides Congressional Data Sheet information to HQ ACC/A8T.

5.12.10. Identify HQ ACC staff and non-ACC agencies responsible for taking appropriate action on approved recommendations in the final report. Accomplish follow-up actions on final report recommendations until all are resolved.

5.12.11. Be knowledgeable of the ACC operational and funding requirements for systems undergoing test and evaluation in support of a production or fielding decision. HQ ACC/A8-TASR will provide support in this area; however, it is the responsibility of ACC project officers to understand the milestone decisions and funding requirements for the system for which they are OPR as they may be part of the source selection process.

5.12.12. Ensure weapon SPO has directed appropriate Munitions Safety Board(s) to review and approve new munitions and munitions handling equipment before being introduced for Air Force use.

5.12.13. Ensure SPO has made T.O.s available at the beginning of testing as required by ACPD 63-1, T.O. 00-5-1, and T.O. 00-5-3. Test Centers do not have the authority to use locally created/approved procedures beyond the scope of T.O. 00-5-1.

5.12.14. Ensure SPO has contracted with appropriate agencies for Type I and other required training.

- 5.12.15. Assist ACC/A8TT as required in coordinating tasking messages for operational support of test projects with the appropriate HQ ACC/A3 and HQ ACC/A4 offices.
- 5.12.16. Coordinate with HQ ACC/A3, or other MAJCOMs for non-ACC assets, as required to support ACC-conducted T&E.
- 5.12.17. Act as OPR for FCT support IAW DoD guidance.
- 5.12.18. Act as OPR for JT&E support IAW AFI 99-106.
- 5.12.19. Ensure SEEK EAGLE flight clearance request are submitted and that appropriate validated/verified technical data are obtained from the SPO for all new equipment to be employed on ACC aircraft prior to testing.
- 5.12.20. Ensure open DRs are tracked until they are funded or corrected, or ACC concurs with closing them. (Refer to AFI 99-103, para 6.10.4)
- 5.12.21. Assist SPO as appropriate with certification of system readiness for dedicated operational testing. (Refer to AFMAN 63-119, para 1.4.5)
- 5.12.22. Assist program offices and other DoD agencies in the development of test requests during annual call for tests and out-of-cycle requests.
- 5.12.23. Coordinate fielding recommendations within ACC for director approval.
- 5.12.24. Submit requests for SOTR, C&LR and VFT to ACC/A8T.

**5.13. Project Manager.** For each project, tasked test center selects a project manager. The project manager will:

- 5.13.1. Keep abreast of the activities of other commands or agencies involved in a particular acquisition effort.
- 5.13.2. When tasked, develop an EPO, preplan activities for subsequent ACC-managed or supported T&E, and ensure the EPO is updated with current information to keep upper management informed.
- 5.13.3. Ensure the adequacy and completeness of test planning, including technical feasibility and compliance with test objectives. Conduct a readiness review, chaired by the appropriate commander, with representation by all units tasked to support the test before beginning flying activity. The readiness review should address any safety concerns and ensure risk mitigation to the lowest possible level. Documentation of the review will be made part of the permanent case file and will address any aircraft restrictions or waivers required for the test.
- 5.13.4. Identify and coordinate resources required for the test project.
- 5.13.5. Write and publish the project test plan.
- 5.13.6. Conduct the test according to the test plan and ensure the test objectives and/or COIs are addressed.
- 5.13.7. Prepare the final report and assist the ACC project officer in updating test information, as required.
- 5.13.8. Prepare fielding recommendation, when required, and initiate coordination process.

5.13.9. As required, participate in high performance teams (HPT) when new requirements documents are being developed.

5.13.10. When established, participate in the JRMET to assist in collection, analysis, verification and categorization of reliability, maintainability and availability data.

GILMARY M. HOSTAGE, III, General, USAF  
Commander

**Attachment 1****GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFPD 10-9, *Lead Operating Command Weapon Systems Management*, 8 Mar 2007

AFI 10-420, *CAF Aviation Scheduling*, 9 Jul 2010

AFI 10-601, *Capabilities Based Requirements Development*, 12 Jul 2010

AFI 11-260, *Combat Air Forces Tactics Development Program* (under development [OPR: HQ ACC/A3TW]) (pending publication--will replace MCI 11-290, *Tactics Development Program*, 15 Sep 2011)

AFI 11-212, *Munitions Requirements for Aircrew Training*, 8 Apr 2009

AFI 61-201, *The Local Scientific and Technical Information Process*, 16 Jun 1995

AFI 61-202, *USAF Technical Publications Program*, 25 Jul 1994

AFPD 63-1, *Acquisition and Sustainment Life Cycle Management*, 3 Apr 2009

AFI 63-104, *The SEEK EAGLE Process*, 21 Jan 2005

AFI 63-131, *Modification Program Management*, 6 Nov 2009

AFI 63-131, ACC Sup 1, *Modification Program Management*, 6 Nov 2009

AFI 65-601 Vol 1, *Budget Guidance and Procedures*, 8 May 1995

AFI 91-205, *Non-Nuclear Munitions Safety Board*, 1 Jul 1998

AFPD 99-1, *Test and Evaluation Process*, 22 Jul 1993

AFI 99-103, *Capabilities Based Test and Evaluation*, 26 Feb 2008

AFI 99-106, *Joint Test and Evaluation Program*, 26 Aug 2009

AFI 99-108, *Programming and Reporting Aerial Target and Missile Expenditures in Test and Evaluation*, 1 Mar 2007

AFI 99-109, *Major Range & Test Facility Base (MRTFB) Test & Evaluation Resource Planning*, 17 May 2006

AFI 99-120, *Forecasting and Programming Munitions Telemetry and Flight Termination Systems*, 1 Mar 2007

AFMAN 63-119, *Certification of System Readiness for Dedicated Operational Testing*, 20 Jun 2008

DoD 7000.14-R, *Financial Management Regulation*, Vol 2A, Chapter 1, 17 Jan 2012

T.O. 00-5-1, *Air Force Technical Order System*, 1 Oct 2008

T.O. 00-5-3, *Air Force Technical Manual Acquisition Procedures*, 1 Aug 2009

T.O. 00-35D-54, *USAF Deficiency Reporting, Investigation and Resolution*, 1 May 2007



COMACC Plan 001, *Dual Capable Aircraft Nuclear Weapon System Evaluation Program*, 1 May 1996

AFGSC/CC Plan 001, *Nuclear Weapon System Evaluation Program*, 6 May 2011

COMACC Plan 85, *Air-to-Air Weapon System Evaluation Program*, 8 Sep 2009

COMACC Plan 90, *Air to Ground Weapon System Evaluation Program*, 6 May 2011

### ***Adopted Forms***

AF Form 847, *Recommendation for Change of Publication*

### ***Abbreviations and Acronyms***

**AATC**—Air National Guard Air Force Reserve Command Test Center

**A2**—Director of Intelligence

**A3**—Director of Air and Space Operations

**A4**—Director of Logistics

**A6**—Director of Communications

**A7**—Director of Installations and Mission Support

**A8**—Director of Requirements

**A10**—Strategic Deterrence and Nuclear Integration

**A8T**—Test and Training Division

**A8TT**—Test and Training Branch

**ACAT**—Acquisition Category

**ACC**—Air Combat Command

**ACCI**—Air Combat Command Instruction

**ACCR**—Air Combat Command Regulation

**ACTD**—Advanced Concept Technology Demonstration

**AETC**—Air Education and Training Command

**AF**—Air Force

**AFB**—Air Force Base

**AFC2IC**—Air Force Command and Control Integration Center

**AFGSC**—Air Force Global Strike Command

**AFI**—Air Force Instruction

**AFMAN**—Air Force Manual

**AFOTEC**—Air Force Operational Test and Evaluation Center

**AFPD**—Air Force Policy Directive

**AFRC**—Air Force Reserve Command  
**AFTTP**—Air Force Tactics, Techniques and Procedures  
**ALC**—Air Logistics Center  
**ANG**—Air National Guard  
**AOA**—Analysis of Alternatives  
**ATD**—Advanced Technology Demonstration  
**CAF**—Combat Air Forces  
**CDD**—Capability Development Document  
**C&LR**—Capabilities and Limitations Review  
**COCOM**—Combatant Commander  
**COI**—Critical Operational Issue  
**COMACC**—Commander, Air Combat Command  
**CONOPS**—Concept of Operations  
**CPO**—Consolidated Planning Order  
**CSAF**—Chief of Staff, United States Air Force  
**DoD**—Department of Defense  
**DOT&E**—Director Operational Test and Evaluation  
**DRU**—Direct Reporting Unit  
**DT&E**—Developmental Test and Evaluation  
**EOT**—End of Test  
**EPO**—Electronic Project Order  
**FCT**—Foreign Comparative Test  
**FDE**—Force Development Evaluation  
**FME**—Foreign Materiel Exploitation  
**FOT&E**—Follow-on Operational Test and Evaluation  
**FY**—Fiscal Year  
**HQ**—Headquarters  
**IAW**—In Accordance With  
**ICD**—Initial Capability Document  
**IO**—Information Operations  
**IOT&E**—Initial Operational Test and Evaluation  
**IPT**—Integrated Product Team

**ITT**—Integrated Test Team

**JRMET**—Joint Reliability and Maintainability Evaluation Team

**JT&E**—Joint Test and Evaluation

**MAJCOM**—Major Command

**MAP**—Mission Area Plan

**MDS**—Mission Design Series

**MNA**—Mission Needs Analysis

**NAF**—Numbered Air Force

**NGB**—National Guard Bureau

**NLT**—No Later Than

**OA**—Operational Assessment

**OFP**—Operational Flight Program

**O&M**—Operations and Maintenance

**OPR**—Office of Primary Responsibility

**OSD**—Office of the Secretary of Defense

**OT&E**—Operational Test and Evaluation

**OUE**—Operational Utility Evaluation

**PACAF**—Pacific Air Forces

**PE**—Program Element

**PEM**—Program Element Monitor

**PDAI**—Primary Development/Test Aircraft Inventory

**PMD**—Program Management Directive

**POC**—Point of Contact

**POM**—Program Objective Memorandum

**QFD**—Quality Function Deployment

**QOT&E**—Qualification Operational Test and Evaluation

**QRC**—Quick Reaction Capability

**QT&E**—Qualification Test and Evaluation

**REP**—Resource Enhancement Program

**RM&A**—Reliability, Maintainability and Availability

**SOTR**—Sufficiency of Test Review

**SPO**—System Program Office

**STINFO**—Scientific and Technical Information

**TD&E**—Tactics Development and Evaluation

**T&E**—Test and Evaluation

**TEMP**—Test and Evaluation Master Plan

**TIP**—Tactics Improvement Proposal

**T.O.**—Technical Order

**TPL**—Test Priority List

**TPO**—Test Program Outline

**TRB**—Tactics Review Board

**TRP**—Test Resource Plan

**TTP**—Tactics, Techniques and Procedures

**UON**—Urgent Operational Need

**USAFE**—United States Air Forces Europe

**USAFWC**—United States Air Force Warfare Center

**WG**—Wing

**WSEP**—Weapon System Evaluation Program

### *Terms*

**ACC Project Officer**—An individual assigned to the headquarters, responsible for staffing the project order, accomplishing HQ duties, and providing guidance through the life of the project.

**Air National Guard (ANG) and Air Force Reserve Command (AFRC) Project Officer**—An individual assigned to the ANG and AFRC Staffs, in the case of activities associated with AATC, serving as a POC for coordination with the ACC project officer, who monitors the test and provides command coordination and support as required.

**CAF Test Priority List**—An annual list approved by HQ ACC/A8 that identifies the relative priority of all active and projected FY “XX” T&E projects for a given fiscal year. HQ ACC/A8TT is the OPR for producing the priority list.

**Electronic Project Orders**—A formal headquarters document, hosted in a web-based system that authorizes the test center to participate in a project. EPOs are issued for all T&E projects.

**Force Development Evaluation (FDE)**—The operational test and evaluation of fielded, operational systems during the sustainment portion of the system life cycle after acceptance for operational use. The focus is on maintaining or upgrading operational systems after the initial acquisition process is complete. An FDE also supports acquisition on MAJCOM-managed systems.

**OT&E Project**—An OT&E project supports a defense acquisition decision by evaluating the operational effectiveness and suitability of a system, subsystem, or system modification;

identifying operational deficiencies; or identifying the need for modifications. An OT&E project order is usually for MAJCOM-conducted operational testing and/or FDE.

**Operational Utility Evaluation (OUE)**—OUEs are evaluations of military capabilities conducted to demonstrate or validate new operational concepts or capabilities, upgrade components, or expand the mission or capabilities of existing or modified systems. An OUE also supports acquisition on MAJCOM managed systems.

**Project Manager**—An individual assigned to the USAF Warfare Center (USAFWC) or the Air National Guard Air Force Reserve Command Test Center (AATC) who is directly responsible for the management and coordination of all activities associated with the planning, conduct, and reporting for the assigned test project.

**Support Project**—Support projects are used primarily to support AFOTEC-conducted OT&E, AFMC-conducted DT&E, other Service-conducted T&E projects, JT&E, and FCT.

**Test Director**—An individual responsible for directing an OT&E or Developmental T&E (DT&E) test team respectively, or overseeing execution of the project according to the test plan.

**Tactics Development and Evaluation (TD&E)**—TD&E is specifically designed to further exploit doctrine, system capabilities, tactics, techniques and procedures during the sustainment portion of the system life cycle. TD&Es normally identify non-material solutions to tactical problems or evaluate better ways to use new or existing systems.

**Test and Evaluation (T&E)**—The act of generating empirical data during the research, development or sustainment of systems, and the creation of information through analysis that is useful to technical personnel and decision makers for reducing design and acquisition risks. The process by which systems are measured against requirements and specifications, and the results analyzed so as to gauge progress and provide feedback.

**Weapon System Evaluation Program (WSEP)**—Conducted by MAJCOMs to provide an end-to-end tailored evaluation of fielded weapon systems and their support systems using realistic combat scenarios. WSEP also conducts investigative firings to revalidate capabilities or better understand munitions malfunctions.

**Attachment 2****EXAMPLE TEST REQUEST**

1. Please provide the following information with division level test requests to A8T.
2. **Test Proposal Template**
  - a. **DESCRIPTION:** Provide brief summary of what the item under test (i.e., SW / HW, etc.) brings to the table over and above the current system's capabilities; or, for brand new capability, what it offers the warfighter.

**EXAMPLE:** Test will support integration of the combat-proven AGM-114 Hellfire II missile onto the A-10C aircraft. This initiative aims to demonstrate that the AGM-114 can fill the void for a very accurate laser-guided missile capable of rapidly targeting both fixed and moving targets, with low collateral damage in urban areas or complex terrain. Based on the results of this Initiative, ACC may make a recommendation to proceed with qualification of the AGM-114 on the A-10C.
  - b. **DELIVERABLES:** Provide what you expect to be the end result of the effort. Select all that apply.
    - Test report
    - Test report with fielding recommendation
    - Tactics, techniques and procedures
    - Sufficiency of test review
    - Utility assessments
    - Monitoring and reporting
    - Data collection for demonstrations
    - Developmental test support
    - AFOTEC support
    - Other MAJCOM / Service support
  - c. **IMPACT ASSESSMENT:** Offer your assessment of which criteria pertains to the item under test and what it brings to the warfighter. Review the following impacts to war fighter capabilities. Select the impact under each category that applies:
    - 1) **Critical**
      - Change in current CONOPS
      - Change in force employment (i.e., multi-MDS, platform, system integration, or capabilities package)
      - N/A

**REMARKS:** If one of these critical options is selected, provide a short narrative of the CONOPS and/or force employment change.
    - 2) **Major**
      - Significant changes to current training
      - Significant changes to weapons employment.
      - N/A
    - 3) **Minor**
      - Minimal changes in current training
      - Minimal changes in tactics
      - Minimal changes in employment.
      - N/A

4) **No Impact**

- Demonstrations
- Data collection
- N/A

d. **TIME SENSITIVITY:** Offer your assessment of the time sensitivity behind the acquisition or fielding process with regards to the item under test: Select the single impact under each category that applies:

1) **Immediate**

- Validated Urgent Operational Need (UON)
- Flight Safety
- Ground safety
- Grounding / cease operations
- N/A

**REMARKS:** If one of these immediate need options is selected, provide supporting documentation or reference source documents you used as determinant.

2) **Priority**

- Acquisition / production milestone factor
- Contract impacts
- Fielding decision
- N/A

3) **Routine**

- Normal day-to-day, specific test mission(s) required
- N/A

4) **None**

- Piggyback, non-interference
- N/A

e. **DIRECTED AUTHORITY:** Offer your assessment of the tasking authority level of proposed test. Select the single level (Directed Test, ACC Managed FDE, or Other) of authority that applies:

1) **Directed Test**

- Title 10 (AFOTEC)
- DoD-directed
- SAF-directed
- JCS/AF-directed
- COMACC-directed
- COCOM (via validated UON)-requested

**REMARKS:** If one of these directed authority options is selected, provide supporting documentation or reference source documents you used as determinant.

2) **ACC Managed FDE**

- 53 WG executed
- 505 CCW executed
- AATC executed

3) **Other Support**

- Support for other MAJCOM
- Support for other Agency
- Support for other Service

**REMARKS:** Provide organizational identifier of requesting organization.

f. **REQUESTING ORGANIZATION'S POC INFORMATION:** Provide requestor's name, rank (i.e., military, GS, contractor), office symbol, e-mail address and phone number (i.e., DSN and commercial).

g. **FUNDING INFORMATION:** Provide short narrative identifying source of funding, and fund-cite and/or PE number.

h. **OVERSEAS CONTINGENCY OPERATIONS (OCO):** Identify if the proposed test is in support of OCO and therefore a candidate for OCO funding or reimbursement.

- Operation Enduring Freedom – ESP Code 7C
- Operation Iraqi Freedom – ESP Code ZA
- Long War – ESP Code IA

**REMARKS:** If one of these OCO options is selected, provide a narrative of your logic.

i. **ADDITIONAL COMMENTS:** Provide any additional relevant information that will assist IPT members in prioritizing the proposed test effort.

**EXAMPLE:** A8A remains the sponsoring HQ ACC organization; however, as a 412 TW run event, the 412 TW will provide overall project management - to include test design, planning, data gathering, analysis, and reporting.

**NOTE:** IAW ACCI 99-101 —test support requests originating from a non-ACC organization require an O-7/Government Civilian equivalent or Test Center Commander formal memorandum (paper or electronic) for test support. Details explaining why the originating organization cannot support the project with its own resources must be provided. Address all questions to A8TT, DSN 574-1088, -7597, -4360.



## Attachment 3

## EXAMPLE ELECTRONIC PROJECT ORDER (EPO)

**A3.1. Initial Test Request.** The EPO system is hosted on the AF Portal. For AF Portal website access contact HQ ACC/A8TT at DSN 574-1088.

Table A3.1. EPO Format.

POC Information			
Name:	<input type="text" value="Man Phantom"/>	Duty Phone:	872-3027
Rank:	Maj	FAX:	NONE
Office Symbol:	36EWS/EWM	Email Address:	
Test Center:	AWFC		

---

Project Title:

Estimated Start Date:    Estimated Completion Date:

Aircraft:  Munitions:

\*Note\* To select multiple aircraft/munitions hold down Ctrl and make your selections.

Description:

Objectives:

Resources:

Scope:

Remarks:

Additional POCs:

**Note 1: Description** - Provide a short purpose statement and description of the item under test and the purpose of the test.

**EXAMPLE:** This FDE will develop and evaluate A-10 conventional reactive flare programs, combined with aircraft maneuvers, which can be programmed into the AN/ALQ-213 CMS. The second purpose of this FDE is to develop and evaluate A-10 and F-16 MJU-50 SM reactive flare programs, combined with aircraft maneuvers. The evaluation of these candidate programs will include flight tests against simulated air defense threats for program validation and verification. Results of this FDE will be provided for inclusion in the AFTTP 3-1.

**Note 2: Objective** - List COIs or other test objectives that are of primary importance to the decision-making authority. Objectives should cover key operational effectiveness or suitability issues and should ultimately be addressed in the test plan. These objectives should receive the highest priority in the allocation of test resources and serve to focus attention on issues of most importance. The test requestor should consider the TEMP, the ORD, or HQ direction in developing the objectives. Note: COIs and/or objectives may not be available at the time of EPO drafting or may change over the course of test planning. All COIs and objectives are subject to test plan approval.

**EXAMPLE:**

Objective 1. Develop and evaluate the optimum combination of maneuvers, flare dispense intervals, and flare quantities using conventional flares to improve the operational effectiveness of the A-10 using the AN/ALQ-213 CMS to defeat infrared-directed air defense threats.

Objective 2. Develop and evaluate the optimum combination of maneuvers, flare dispense intervals, and flare quantities using the MJU-50 SM flares to improve the operational effectiveness of the A-10 and F-16 using the AN/ALQ-213 CMS to defeat infrared-directed air defense threats.

**Note 3: Resources** - Provide a financial summary by program element (PE) and FY for TDY, Ranges, Data Reduction, Transportation, and Other costs. Identify any other test unique assets (weapons, test items) and their source.

**EXAMPLE:**

ANG/AFRES, PE 52642F: Total - \$172,700.00

Travel: \$22,700.00

Contractor Support and Data Analysis: 125,000.00

Range: \$25,000.00

AATC will provide pilots, funding, and workdays. The 917th Wing, Barksdale AFB LA, will provide an A-10 aircraft and maintenance personnel.

**Note 4: Scope** - Short description of the test scope. Must include estimate of test and test support sorties by MDS, planned ground test hours/facilities, any aircraft modifications, SEEK EAGLE requirements and any other significant scope issues.

**EXAMPLE:** Sorties: 17 x A-10 Direct Test; 10 x F-16 Test Support

**Note 5: Remarks** - Comments or additional notes that may be significant or provide required insight. Deliverables will be included in this section: test plan; no test plan; test support plan;

no test support plan; final report; no final report; fielding recommendation; or interim report; etc., as required.

**Note 6:** Additional POCs - Must include all HQ and significant other POCs. Ensure to list Organization and Office Symbol, Rank, First and Last Name, DSN (1) or Commercial Phone Number (2), and email address.

**EXAMPLES:**

HQ ACC/A8A, Lt Col Snuffy Smith, DSN 574-XXXX, **snuffy.smith@langley.af.mil** .

AATC/A3A, Maj Barney Rubble, DSN 924-XXXX, **barney.rubble@ang.af.mil** .

AFRL/XYZ, Mr. Beetle Bailey, COMM (XXX) 425-XXXX, **beatle.bailey@wrafb.af.mil**.

## Attachment 4

## EXAMPLE QUARTERLY / END OF YEAR ASSESSMENT

1. Please follow the following information outline and provide to A8T.

2. Example Memorandum

MEMORANDUM FOR ACC/A8/A3

FROM: Wing or Unit/CC

SUBJECT: Fiscal Year (FY) XX Test Priority List (TPL), XX Quarter Assessment

1. This is the XX quarter assessment of the [enter Wing or Unit] progress in executing the FY XX Test Priority List. The TPL included XX tests for [enter Wing or Unit] to either conduct or to support other ACC test centers or non-ACC agencies as of XX Month XX.

2. The [enter Wing or Unit] is actively working XX Urgent Operational Need (UON), unable to test XX, or has competed XX others, as appropriate. The UONs are being conducted under the following EPOs:

Priority	EPO #	Title	Status
<i>Example:</i>			
2	12-069	MQ-9 Gorgon Stare Inc 2 DT Support/FDE	Ongoing
25	11-084	Blue Knight Counter-UAS Support	Complete
28	TBD	BLU-129/B Follow-on FDE	Planning

3. The following test(s) have been completed and the final report, or sufficiency review, has been published:

Priority	EPO #	Title	Document Published
<i>Example:</i>			
194	10-114	MAU-209C/B Configured GBU-10/12 LGB FDE	Jun XX

4. The [enter Wing or Unit] has completed all support to the following test(s) conducted by another lead test organization (those lead test organizations may not have completed all their testing):

Priority	EPO #	Title	OTA/RTO
<i>Example:</i>			
12	10-131	MQ-9 AFOTEC OA Support	AFOTEC

5. The following tests have completed all events and are in the reporting phase. Estimated date for Wing or Unit/CC approval of the final report is included:

Priority	EPO #	Title	Final Report Due
<i>Example:</i>			
35	10-060	F-22 Update 3 FDE	Sep XX

6. Currently, the following test(s) cannot be conducted in FY XX and the program(s) will be monitored. If changes in circumstances and resources permit (i.e., slips in other tests, changes in manning, fall-out funds, etc.) these tests will be started on a case-by-case basis, and the change in status will be reported in the next quarterly update.

Priority	EPO #	Title	Reason
<i>Example:</i>			
11	10-037	B-52 CONECT AFOTEC OA/IOT&E Support	Test Item Not Ready

7. The following test(s) are recommended for cancellation consideration:

<b>Priority</b>	<b>EPO #</b>	<b>Title</b>	<b>Rationale</b>
<i>Example:</i>			
<i>26</i>	<i>10-129</i>	<i>MQ-1/9 C-Band LRE Multi-unit Ops</i>	<i>OBE-Theater Operations</i>

8. The next update will be in **MONTH XX**. [Enter Wing or Unit] point of contact is **NAME**, **OFFICE SYMBOL**, **DSN XXX-XXXX**, **E-MAIL ADDRESS**.

**NAME, RANK, USAF**  
**Commander**